BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material CODE**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**15**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**70**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**100**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**84**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**224**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**46**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.136**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**132**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**7**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**17**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**10**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**2**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**4**	278916
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**	CDS materials for General works
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**	321438
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**39**	281674+600095+607054, CDS 60
18	Supply & providing of GI wire 8SWG	kg	**65**	281008
19	Supply & providing of Guy wire 7/10SWG	kg	**70**	281110
20	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**7**	303202, CDS 60
21	Supply & providing of LT Protection kit	No	**13**	301107

22	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**7**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**175**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**84**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**28**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**56**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**	CDS 39
23	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**13**	302122
24	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**13**	613050
25	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**105**	278911
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**9**	821900
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**	200005
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**6**	280119, CDS materials for General works
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**6**	321437
30	Supply & providing of Guy wire 7/10SWG	kg	**60**	281110
31	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**6**	303202, CDS 60
32	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**6**	
	Aluminium lead wire 50 sqmm	Mtr	**150**	289031
	Heavy duty long barrel copper lugs- 50 sqmm	No	**24**	288531
	P.G Clamps - Rabbit to 50 sq.mm	No	**24**	285508, CDS 63
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**12**	280800+280511, CDS 63
	Spacers for DTC wiring	No	**48**	284503
33	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	6	CDS 39
34	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	47	200004
35	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	42	280014, CDS materials for General works
36	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	63	280012, CDS materials for General works
37	1.1 kV Pin Insulator with GI Pin	No	250	283053, CDS 5
38	No. 8 Strain Insulator	No	50	283158

39	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	16	CDS materials for General works
40	Rabbit ACSR Conductor	KM	8	284108
41	Weasel ACSR Conductor	KM	7	CDS 69
42	Guy concreting with Boulders, Mud and Sand	No	11	0
43	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	0	CDS 69
44	PVC Pipe 40 mm Dia	Mtr	0	CDS 69
45	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	0	CDS 69
46	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**3**	CDS 37
47	Three Phase Distribution box for 6 Connections	No's	**20**	CDS 37
48	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**100**	CDS 37
49	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	**4**	CDS 37
50	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**35**	CDS 37
51	Pole clamp for HT/LT AB cable	Sets	**35**	CDS 37
52	Eye Hook (Flat type) for fixing Clamps	Sets	**35**	CDS 37
53	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**10**	CDS 37
54	Universal Hook, Bolts & nuts	No's	**35**	CDS 37
55	T-connector KZ3 95	No's	**5**	CDS 37
56	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**5**	CDS 37
57	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**20**	CDS 37
58	End cap for 50/70 Sqmm	No's	**20**	CDS 37
59	Guy Concreting with Mud, Boulders & Sand	Sets	**5**	CDS 37
60	PVC Insulated wire 16/25 Sqmm	Mtrs	**0**	CDS 37

PART-II ERECTION PORTION

SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**15**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**70**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**100**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**46**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.136**
6	Supply & Providing of Spiral Earth Electrode	No	**132**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**7**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**17**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**10**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**2**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**4**
13	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**
14	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**
15	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**39**
16	Supply & providing of Guy wire 7/10SWG	kg	**70**
17	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**7**
18	Supply & providing of LT Protection kit	No	**13**
19	Supply & providing of LT wiring (from DTC to LT line)		**7**
	i) Al Lead Wire - 95 Sqmm	Mtr	**175**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**84**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**28**
	iv) Spacer for DTC Wiring	No	**56**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**

20	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**13**
21	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**13**
22	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**105**
23	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**
24	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**6**
25	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**6**
26	Supply & providing of Guy wire 7/10SWG	kg	**60**
27	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**6**
28	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**6**
	Aluminium lead wire 50 sqmm	Mtr	**150**
	Heavy duty long barrel copper lugs- 50 sqmm	No	**24**
	P.G Clamps - Rabbit to 50 sq.mm	No	**24**
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**12**
	Spacers for DTC wiring	No	**48**
29	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	6
30	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	47
31	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	42
32	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	63
33	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	16
34	Rabbit ACSR Conductor	KM	8
35	Weasel ACSR Conductor	KM	7
36	Guy concreting with Boulders, Mud and Sand	No	11
37	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**3**
38	Three Phase Distribution box for 6 Connections	No's	**20**
39	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**100**
40	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	**4**
41	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**35**
42	Pole clamp for HT/LT AB cable	Sets	**35**
43	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**10**

44	Universal Hook, Bolts & nuts	No's	**35**
45	T-connector KZ3 95	No's	**5**
46	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**5**
47	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**20**
48	End cap for 50/70 Sqmm	No's	**20**
49	Guy Concreting with Mud, Boulders & Sand	Sets	**5**